

**MONTANA STATE AVIATION SYSTEM PLAN  
1995 UPDATE  
FIELD INSPECTION FORM**

AIRPORT:	LEWISTOWN MUNICIPAL (LWT)	AIRPORT REFERENCE CODE:	B-II (LG)
CITY:	LEWISTOWN	APPROACH TYPE:	VISUAL
CONTACT:	DOUG RAHN	DATE INVENTORIED:	1-19-96
PHONE #:	538-3264	INSPECTED BY:	RSD

	REQUIRED	ACTUAL	ALP	CONFORM
<b>RUNWAY 2/20 INVENTORY</b>				
DISTANCE TO:				
HOLD LINES FROM CENTERLINE:	200'	N/A		N/A
PARALLEL TAXIWAY FROM CENTERLINE:	240'	N/A		N/A
AIRCRAFT PARKING FROM CENTERLINE:	250'	N/A		N/A
RUNWAY WIDTH:	75'	98'		✓
RUNWAY LENGTH:	9,820 (1)		5,600'	<75%
RUNWAY SAFETY AREA (RSA) WIDTH:	150'	OK		✓
RUNWAY OBJECT FREE AREA (OFA) WIDTH:	500'	(2)		NO
PRIMARY / TRANSITION SURFACE PENETRATIONS:	500' W & 7:1	(2)		NO
LONGITUDINAL GRADE - SITE DIST. PROBLEMS:		OK		✓
OBSTACLE FREE ZONE ANALYSIS:	400' WIDE x 200' BEYOND			(2)
PAVEMENT EDGE LIP HEIGHT (MIN AND MAX):	1.5" - 3"	FLUSH		NO
PAVEMENT MARKING TYPE:	BASIC	BASIC		✓
PAVEMENT MARKING CONDITION:		POOR		N/A
<b>RUNWAY 2 END INVENTORY</b>				
SAFETY AREA (RSA) BEYOND RUNWAY END:	300'	OK		✓
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	300'	OK		✓
APPROACH OBSTRUCTIONS:	20:1	NONE		✓
RUNWAY END ELEVATION:			4,167.0	N/A
<b>RUNWAY 20 END INVENTORY</b>				
SAFETY AREA (RSA) BEYOND RUNWAY END:	300'	OK		✓
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	300'	OK		✓
APPROACH OBSTRUCTIONS:	20:1	NONE		✓
RUNWAY END ELEVATION:			4,128.0	N/A
<b>RUNWAY LIGHTING INVENTORY</b>				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	200'	OK		✓
TYPE:	MIRL - STAKE MOUNTED ALNACO			N/A
CONDITION:		FAIR		N/A
COLOR:	WHITE	WHITE		✓
<b>THRESHOLD 2</b>				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'	10'		✓
COLOR:	RED/GREEN	RED/GREEN		✓
<b>THRESHOLD 20</b>				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'	10'		✓
COLOR:	RED/GREEN	RED/GREEN		✓

**COMMENTS:**

(1) RW LENGTH OF 6,410' FOR 75% @ 60% LOAD, 8,990' FOR 75% @ 100% LOAD, 8,150' FOR 100% @ 60% LOAD, AND 9,820' FOR 100% COVERAGE @ 90% MAXIMUM LOAD; FOR SMALL AIRCRAFT - RW LENGTH OF 3,970' FOR 75%, 5,180' FOR 95%, AND 5,490' FOR 100% COVERAGE, ALP ULTIMATE SHOWN AS 5,600' (80% OF PRIMARY RUNWAY LENGTH IS 4,480' - CONFORMS)

(2) NONFRANGIBLE SIGNS AT 12/30-2/20 INTERSECTION IN OFA AND PRIMARY SURFACE

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CITY:	LEWISTOWN	APPROACH TYPE:	NPI
CONTACT:	DOUG RAHN	DATE INVENTORIED:	1-19-96
PHONE #:	538-3264	INSPECTED BY:	RSD

	REQUIRED	ACTUAL	ALP	CONFORM
<b>RUNWAY 7/25 INVENTORY</b>				
DISTANCE TO:				
HOLD LINES FROM CENTERLINE:	200'	150' (1) & 200'		NO
PARALLEL TAXIWAY FROM CENTERLINE:	240'	500'		✓
AIRCRAFT PARKING FROM CENTERLINE:	250'	N/A		N/A
RUNWAY WIDTH:	75'	100'		✓
RUNWAY LENGTH:	9,600 (2)		5,600'	<75%
RUNWAY SAFETY AREA (RSA) WIDTH:	150'	(3)		NO
RUNWAY OBJECT FREE AREA (OFA) WIDTH:	500'	OK		✓
PRIMARY / TRANSITION SURFACE PENETRATIONS:	500' W & 7:1	(4)		✓
LONGITUDINAL GRADE - SITE DIST. PROBLEMS:		OK		✓
OBSTACLE FREE ZONE ANALYSIS:	400' WIDE x 200' BEYOND			✓
PAVEMENT EDGE LIP HEIGHT (MIN AND MAX):	1.5" - 3"	1.5"		✓
PAVEMENT MARKING TYPE:	NPI	NPI		✓
PAVEMENT MARKING CONDITION:		POOR		N/A
<b>RUNWAY 7 END INVENTORY</b>				
SAFETY AREA (RSA) BEYOND RUNWAY END:	300'	OK		✓
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	300'	OK		✓
APPROACH OBSTRUCTIONS:	34:1	NONE		✓
RUNWAY END ELEVATION:			4,125.6	N/A
<b>RUNWAY 25 END INVENTORY</b>				
SAFETY AREA (RSA) BEYOND RUNWAY END:	300'	(5)		NO
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	300'	OK		✓
APPROACH OBSTRUCTIONS:	34:1	NONE		✓
RUNWAY END ELEVATION:			4,109.0	N/A
<b>RUNWAY LIGHTING INVENTORY</b>				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	200'	OK		✓
TYPE:	MIRL - STAKE MOUNTED NATIONAL			N/A
CONDITION:		FAIR (6)		N/A
COLOR:	WHITE	WHITE/YELLOW		✓
<b>THRESHOLD 7</b>				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'	10'		✓
COLOR:	RED/GREEN	RED/GREEN		✓
<b>THRESHOLD 25</b>				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'	10'		✓
COLOR:	RED/GREEN	RED/GREEN		✓

**COMMENTS:**

- (1) DIRECTIONAL SIGNS LINED UP WITH HOLD LINES IN ALL CASES
- (2) RW LENGTH OF 6,190' FOR 75% @ 60% LOAD, 8,770' FOR 75% @ 100% LOAD, 7,930' FOR 100% @ 60% LOAD,  
AND 9,600' FOR 100% COVERAGE @ 90% MAXIMUM LOAD; FOR SMALL AIRCRAFT - RW LENGTH OF 3,970' FOR 75%, 5,180' FOR 95%,  
AND 5,490' FOR 100% COVERAGE, ALP ULTIMATE SHOWN AS 5,600'
- (3) DISKING OF GROUND ONLY 65' FROM RUNWAY CENTERLINE ON NORTH SIDE
- (4) AWOS ANTENNA CLOSE TO PENETRATING TRANSITIONAL SURFACE (15%)
- (5) DISKING OF GROUND ONLY 35' FROM END OF PAVEMENT
- (6) TWO MISSING RUNWAY LIGHTS

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CONTACT:	<u>DOUG RAHN</u>	DATE INVENTORIED:	<u>1-19-96</u>
PHONE #:	<u>538-3264</u>	INSPECTED BY:	<u>RSD</u>

## MISCELLANEOUS

COMMENTS:

(1) ENTRANCE BLUE LIGHT PAIRS ON THE TWO TAXIWAY EXITS ON RW 7/25, NONE ON TAXIWAY ONTO RW 12/30
(2) BLUE REFLECTORS ON 35' WIDE TAXIWAY, STAKE MTD ALNACO LIGHTS ON 50' WIDE TAXIWAY AND ON 72' WIDE TAXIWAY NE OF APRON - NO LIGHTING ON 72' TAXIWAY SW OF APRON

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CITY:	LEWISTOWN	APPROACH TYPE:	VISUAL
CONTACT:	DOUG RAHN	DATE INVENTORIED:	1-19-96
PHONE #:	538-3264	INSPECTED BY:	RSD

	REQUIRED	ACTUAL	ALP	CONFORM
<b>RUNWAY 12/30 INVENTORY</b>				
DISTANCE TO:				
HOLD LINES FROM CENTERLINE:	125'	200'		✓
PARALLEL TAXIWAY FROM CENTERLINE:	150'	N/A		N/A
AIRCRAFT PARKING FROM CENTERLINE:	125'	N/A		N/A
RUNWAY WIDTH:	60'	68'		✓
RUNWAY LENGTH:	5,490' (1)		4,100'	75%
RUNWAY SAFETY AREA (RSA) WIDTH:	120'	(2)		NO
RUNWAY OBJECT FREE AREA (OFA) WIDTH:	250'	OK		✓
PRIMARY / TRANSITION SURFACE PENETRATIONS:	250' W & 7:1	(3)		NO
LONGITUDINAL GRADE - SITE DIST. PROBLEMS:		HUMP		NO
OBSTACLE FREE ZONE ANALYSIS:	250' WIDE x 200' BEYOND			✓
PAVEMENT EDGE LIP HEIGHT (MIN AND MAX):	1.5" - 3"	FLUSH		NO
PAVEMENT MARKING TYPE:	BASIC	BASIC		✓
PAVEMENT MARKING CONDITION:		POOR		N/A
<b>RUNWAY 12 END INVENTORY</b>				
SAFETY AREA (RSA) BEYOND RUNWAY END:	240'	OK		✓
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	240'	OK		✓
APPROACH OBSTRUCTIONS:	20:1	NONE		✓
RUNWAY END ELEVATION:			4,121.0	N/A
<b>RUNWAY 30 END INVENTORY</b>				
SAFETY AREA (RSA) BEYOND RUNWAY END:	240'	OK		✓
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	240'	OK		✓
APPROACH OBSTRUCTIONS:	20:1	NONE		✓
RUNWAY END ELEVATION:			4,154.0	N/A
<b>RUNWAY LIGHTING INVENTORY</b>				
DISTANCE FROM PAVEMENT EDGE:	10'			N/A
MAXIMUM DISTANCE BETWEEN LIGHTS:	200'			N/A
TYPE:		NONE		NO
CONDITION:				N/A
COLOR:	WHITE			N/A
THRESHOLD 12		NONE		
DISTANCE FROM PAVEMENT EDGE:	10'			N/A
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'			N/A
COLOR:	RED/GREEN			N/A
THRESHOLD 30				
DISTANCE FROM PAVEMENT EDGE:	10'			N/A
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'			N/A
COLOR:	RED/GREEN	▼		N/A

**COMMENTS:**

- (1) R/W LENGTH OF 3,970' FOR 75%, 5,180' FOR 95% AND 5,490' FOR 100% COVERAGE; ALP ULT OF 4,100' SHOWN  
(80% OF PRIMARY RUNWAY LENGTH IS 4,480' - DOES NOT CONFORM)
- (2) TILLED GROUND EAST OF RUNWAY 10' FROM PAVEMENT EDGE IN RSA - VERY ROUGH
- (3) NONFRANGIBLE SIGNS PENETRATE TRANSITIONAL SURFACE